

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G11B20/00 G11B27/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/159591 A1 (HEYLEN RICHARD AA ET AL) 31 October 2002 (2002-10-31) the whole document	1, 9, 19, 20
X	EP 0 724 264 A (TOKYO SHIBAURA ELECTRIC CO) 31 July 1996 (1996-07-31) abstract column 21, line 3 - line 37 column 29, line 27 - column 32, line 7 figures 6, 25, 37	17, 18



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- *P* document published prior to the international filing date but later than the priority date claimed

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Date of the actual completion of the international search

26 July 2004

Date of mailing of the international search report

14/03/2005

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INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/EP2004/006268

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002159591	A1	31-10-2002	AU 3210801 A	27-08-2001
			BR 0104463 A	08-01-2002
			CA 2369575 A1	23-08-2001
			CN 1365495 T	21-08-2002
			EP 1169708 A1	09-01-2002
			WO 0161695 A1	23-08-2001
			GB 2365202 A ,B	13-02-2002
			JP 2003523595 T	05-08-2003
			NO 20014949 A	12-12-2001
			NZ 514820 A	28-11-2003
			PL 350338 A1	02-12-2002
EP 0724264	A	31-07-1996	AT 174149 T	15-12-1998
			AT 191292 T	15-04-2000
			CA 2168327 A1	31-07-1996
			CN 1134583 A ,B	30-10-1996
			DE 69601039 D1	14-01-1999
			DE 69601039 T2	24-06-1999
			DE 69607489 D1	04-05-2000
			DE 69607489 T2	21-09-2000
			EP 0724264 A2	31-07-1996
			EP 0872839 A2	21-10-1998
			JP 2747268 B2	06-05-1998
			JP 8273304 A	18-10-1996
			JP 2857126 B2	10-02-1999
			JP 10074379 A	17-03-1998
			JP 2875237 B2	31-03-1999
			JP 10074380 A	17-03-1998
			KR 209846 B1	15-07-1999
			KR 209851 B1	15-07-1999
			KR 220529 B1	15-09-1999
			TW 434531 B	16-05-2001
			US 6118927 A	12-09-2000
			US 5870523 A	09-02-1999